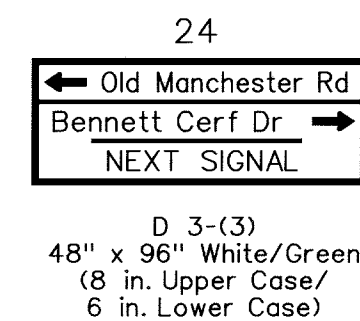
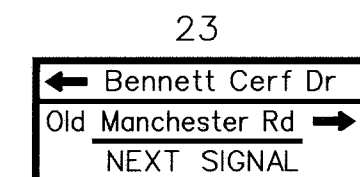
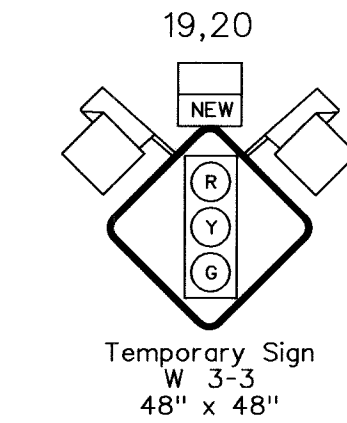
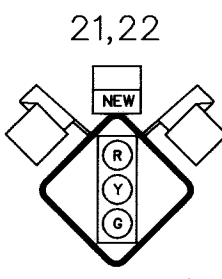
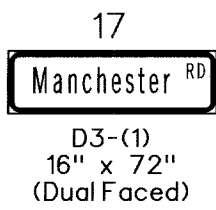
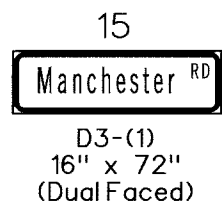
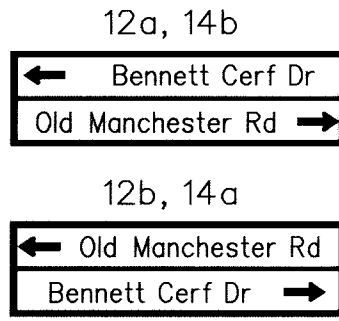
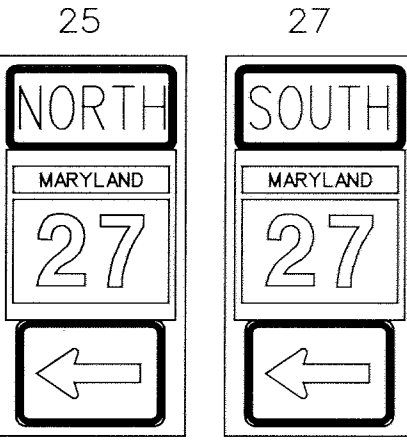
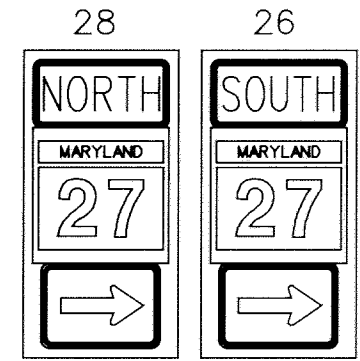
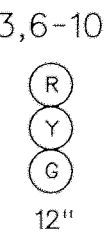
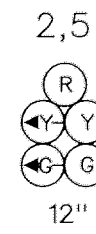
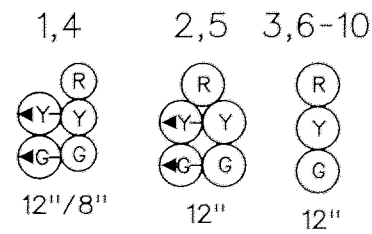


SIGNS

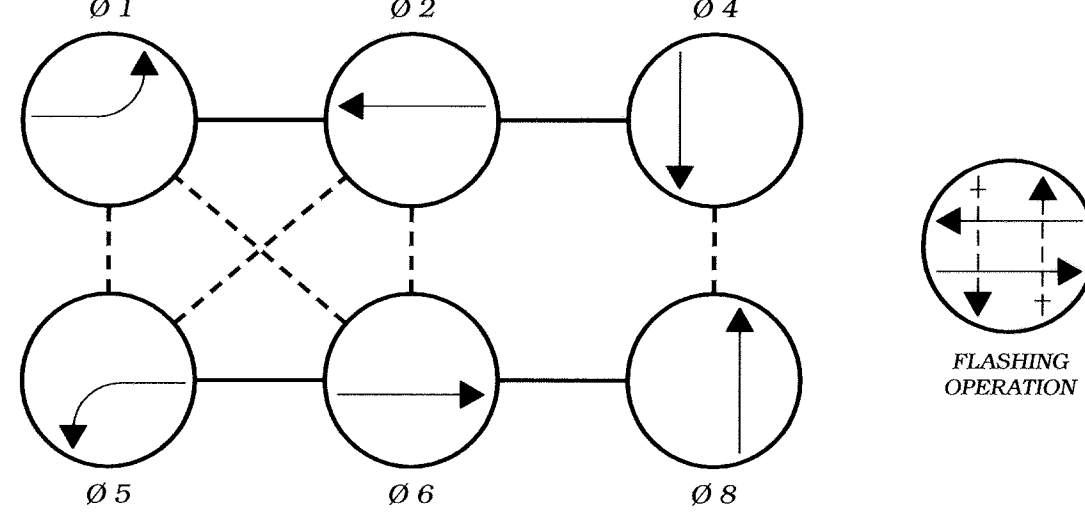


NOTE: Signs 19-24 are to be covered until the traffic signal is operational.

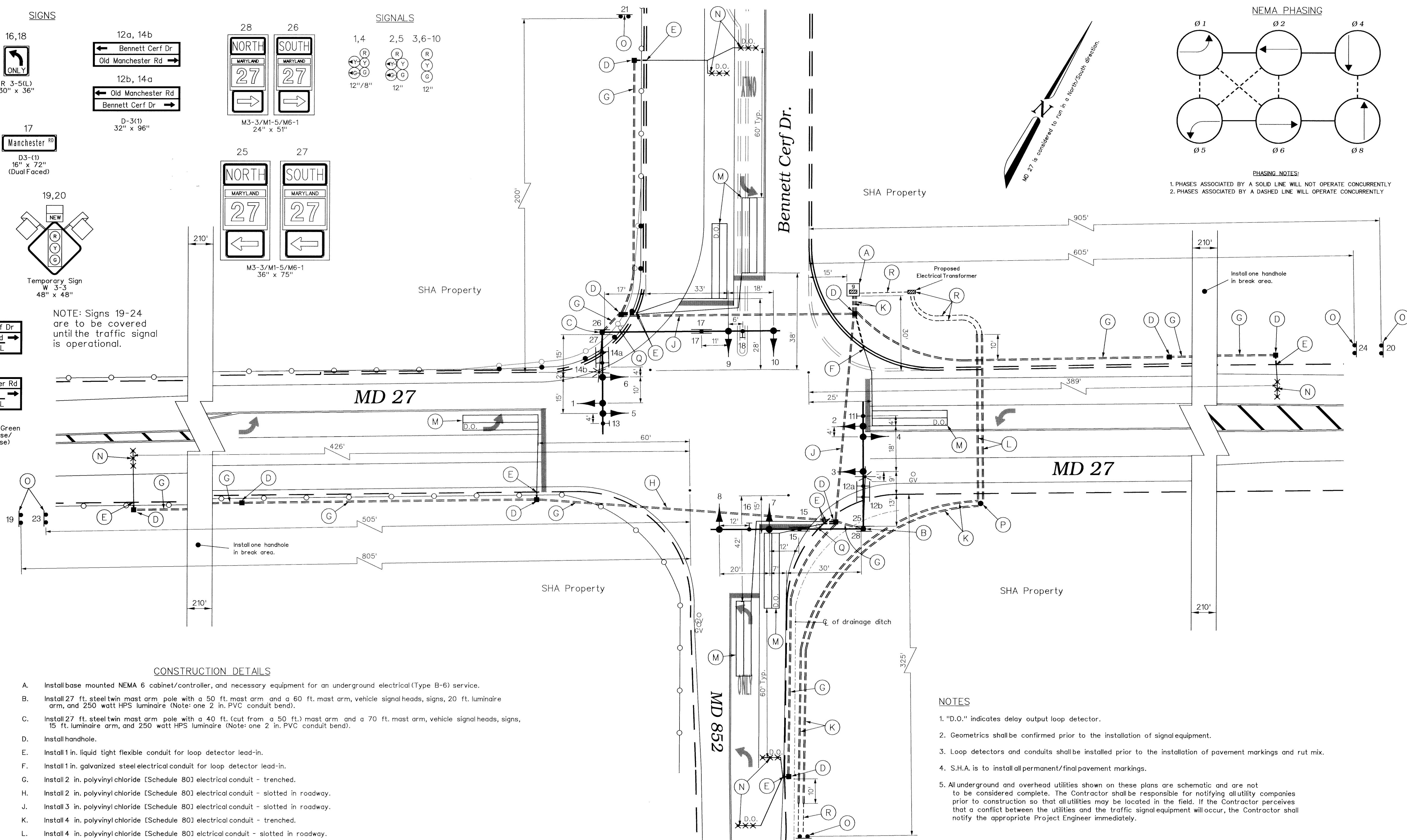
SIGNALS



NEMA PHASING



- PHASING NOTES:
1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY



CONSTRUCTION DETAILS

- Install base mounted NEMA 6 cabinet/controller, and necessary equipment for an underground electrical (Type B-6) service.
- Install 27 ft. steel twin mast arm pole with a 50 ft. mast arm and a 60 ft. mast arm, vehicle signal heads, signs, 20 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 2 in. PVC conduit bend).
- Install 27 ft. steel twin mast arm pole with a 40 ft. (cut from a 50 ft.) mast arm and a 70 ft. mast arm, vehicle signal heads, signs, 15 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 2 in. PVC conduit bend).
- Install handhole.
- Install 1 in. liquid tight flexible conduit for loop detector lead-in.
- Install 1 in. galvanized steel electrical conduit for loop detector lead-in.
- Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
- Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.
- Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.
- Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
- Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.
- Install 6 ft. x 30 ft. quadrupole type vehicle loop detector (3-6-3 turns).
- Install micro-loop probe (set of three).
- Install ground mounted sign as shown.
- Install electrical manhole.
- Remove existing ground mounted sign.
- Proposed underground electrical service by BG&E.

NOTES

- "D.O." indicates delay output loop detector.
- Geometrics shall be confirmed prior to the installation of signal equipment.
- Loop detectors and conduits shall be installed prior to the installation of pavement markings and rut mix.
- S.H.A. is to install all permanent/final pavement markings.
- All underground and overhead utilities shown on these plans are schematic and are not to be considered complete. The Contractor shall be responsible for notifying all utility companies prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal equipment will occur, the Contractor shall notify the appropriate Project Engineer immediately.

GEOMETRIC LEGEND

— — — — — EXISTING GEOMETRICS
— — — — — PROPOSED GEOMETRICS

UTILITY LEGEND

— G — G — GAS MAIN
— W — W — WATER MAIN
— S — S — SEWER MAIN
— E — E — ELECTRIC CABLES
— D — D — STORM DRAIN
— A — A — AERIAL CABLES
— T — T — TELEPHONE CABLES

REVISIONS

APPROVALS

ASST. TRAFFIC ENGINEERING DESIGN DIVISION

ASST. DISTRICT ENGINEER - TRAFFIC

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, OFFICE OF TRAFFIC & SAFETY



MDOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
(Traffic Signal Plan)

MD 27 at Bennett Cerf Dr. / MD 852

DATE: September 2, 1998

LOG MILE • 06027019.84

DRAWN BY: jjd

F.A.P. NO. N/A

CHK. BY: [Signature]

S.H.A. NO. A11280454/BSA

SCALE: 1" = 20'

COUNTY: CARROLL

PLAN

SHEET NO.:

3815

SHEET NO.

1 of 3



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